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APPLICATION NO.	Fl	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/812,349	(03/30/2004	Tomoo Iijima	040158	2684	
23850	7590	06/20/2005		EXAMINER		
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP				LE, THAO X		
	1725 K STREET, NW SUITE 1000				PAPER NUMBER	
WASHINGTON, DC 20006				2814		
				DATE MAILED: 06/20/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on No.	Applicant(s)					
		10/812,34	9	IIJIMA ET AL.					
Offi	ce Action Summary	Examiner		Art Unit					
	•	Thao X. Le	•	2814					
The M. Period for Reply	AILING DATE of this communication	n appears on the	cover sheet with the co	orrespondence address					
THE MAILING - Extensions of tin after SIX (6) MO - If the period for r - If NO period for r - Failure to reply w Any reply receive	ED STATUTORY PERIOD FOR RED DATE OF THIS COMMUNICATION of the may be available under the provisions of 37 CN THS from the mailing date of this communication eply specified above is less than thirty (30) days, reply is specified above, the maximum statutory provided by the State of extended period for reply will, by and by the Office later than three months after the rm adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no eve on. a reply within the statu eriod will apply and wil statute, cause the appl	nt, however, may a reply be tim story minimum of thirty (30) days I expire SIX (6) MONTHS from to ication to become ABANDONED	ely filed swill be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).					
Status									
1)⊠ Respon	sive to communication(s) filed on	<u>30 March 200</u> 4.							
·	This action is FINAL . 2b) This action is non-final.								
·	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4a) Of th 5) ☐ Claim(s 6) ☐ Claim(s 7) ☐ Claim(s	Claim(s) 1-51 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) is/are rejected.								
Application Pape	ers								
9)∏ The spe	cification is objected to by the Exa	miner.							
10)∐ The dra	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicar	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35	5 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
Attachment(s)									
	ences Cited (PTO-892)	(PTO-413)							
	sperson's Patent Drawing Review (PTO-944 closure Statement(s) (PTO-1449 or PTO/S ail Date		Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	ite atent Application (PTO-152)					

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DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-7, drawn to a semiconductor device, classified in class 257, subclass 734+.
- II. Claims 8-51, drawn to a method of making a semiconductor device, classified in class 438, subclass 411, 461, 611.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions Group I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process. The insulting film can be formed by depositing on a carrying substrate and laminated onto the substrate with the bump.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. This application contains claims directed to the following patentably distinct species of the claimed invention:
 - a. Claims 1-5

- b. Claims 6-7
- c. Claims 8-11
- d. Claims 12-13.
- e. Claims 28
- f. Claims 14, 31-37, and 43-51
- g. Claims 15-27, 29-30, and 38-42.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there is no generic claim.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the

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case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao X. Le whose telephone number is (571) 272-1708. The examiner can normally be reached on M-F from 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael M. Fahmy can be reached on (571) 272 -1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Business Center (EBC) at 866-217-9197 (toll-free).

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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Thao X. Le

Patent Examiner

14 June 2005